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THE  
48<sup>TH</sup>  
ANNUAL REPORT  
OF THE  
MONTANA  
INDUSTRIAL ACCIDENT  
BOARD  
JULY 1, 1962 - JUNE 30, 1963

ROBERT F. SWANBERG  
CHAIRMAN

J. MAURICE JONES  
COMMISSIONER

A.G. PILLEN, SECRETARY

GLENN O. LOCKWOOD  
COMMISSIONER

SAM W. MITCHELL BUILDING  
HELENA, MONTANA

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November 11, 1963

Honorable Tim Babcock

Governor

Dear Governor Babcock:

Pursuant to Section 92-842, Revised Codes of Montana, 1947,  
we are transmitting herewith the forty-eighth annual report of the  
Industrial Accident Board.

Very truly yours,

/s/ Robert F. Swanberg  
Chairman

/s/ J. Maurice Jones  
Commissioner

/s/ Glenn O. Lockwood  
Commissioner

ATTEST:

/s/ A. G. Pillen  
Secretary

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The activities of the Montana Industrial Accident Board during the 48th year of operation are described in the following summary and by the use of statistical tables.

Members of the Board are Robert F. Swanberg, Chairman; Maurice Jones, Commissioner of Labor and Industry and ex-officio member of the Board; and Glenn O. Lockwood, Director of the Division of Vocational Rehabilitation and ex-officio member of the Board.

The duties of the Industrial Accident Board are the administration of the Montana Workmen's Compensation Act, the administration of Montana Occupational Disease Law, the administration of the Silicosis Benefit Program and the administration of the Volunteer Firemen's Compensation Act.

#### PLAN I

Table I summarizes generally the activity of the self-insured employers enrolled under Plan I of the Workmen's Compensation Act during the 48th year.

At the end of the 48th year there were 82 employers enrolled under Plan I.

Accidents reported by these employers were down about 13% from the 47th year's total and the number of claims for compensation filed were down about 12%.

Paid compensation benefits were down 10% and paid hospital and medical benefits were up about 7% from the total paid for the 47th year.

Occupational disease cases reported were down about 30%.

#### Table I

##### Plan I

#### COMPARATIVE SUMMARY OF ACTIVITY July 1, 1961 - June 30, 1963

	1961-62	1962-63
Number of employers enrolled	89	82
Gross annual payroll	\$108,905,200.00	\$112,721,500.00
Number of accidents reported	2,430	2,117
Number of claims filed	570	505
Occupational disease cases reported	17	12
Compensation benefits paid	\$678,265.72	\$610,389.90
Hospital, medical & burial benefits paid	\$347,483.98	\$371,007.97
Second injury fund contributions	-0-	-0-
Plan I administrative assessment	\$21,780.50	\$22,544.30

## PLAN II

Table II summarizes the general activity of employers enrolled under Plan II of the Workmen's Compensation Act during the 48th fiscal year. The number of employers enrolled under Plan II as of June 30, 1963 was about 7% higher than the number enrolled at the end of the 47th year. Plan II again showed the greatest change in the number of employers enrolled.

The total number of accidents reported by Plan II employers during the 48th year was up 14% over the total for the previous year and claims for compensation filed were up about 5% over the total number of claims filed in the 47th year.

Paid compensation benefits showed an increase of 15% and hospital, medical and burial benefits paid showed an increase of 9% over the 47th year totals.

The gross annual premium paid by employers under Plan II during the 48th year was up about 1.5% over the total premium paid during the 47th year.

A total of 20 occupational disease cases were reported by Plan II employers during the 48th year as compared to 5 during the 47th year. This is the sharpest increase in occupational disease cases reported by any Plan since the inception of the Act.

Table II

### Plan II

#### COMPARATIVE SUMMARY OF ACTIVITY July 1, 1961 - June 30, 1963

	1961-62	1962-63
Number of employers enrolled	5,800	6,203
Gross annual premium	\$2,976,732.00	\$3,020,544.00
Number of accidents reported	9,113	10,428
Number of claims filed	1,375	1,443
Occupational disease cases reported	5	20
Compensation benefits paid	\$1,092,441.61	\$1,256,710.32
Hospital, medical & burial benefits paid	\$634,849.23	\$753,996.76
Second injury fund contributions	\$1,000.00	\$3,000.00
Plan II administrative assessments	\$89,301.96	\$90,966.32

## PLAN III

Table III summarizes the general activity of employers enrolled under Plan III of the Workmen's Compensation Act for the 48th fiscal year. The number of employers electing to be covered by Plan III showed a 2% gain at the end of the 48th year. As of June 30, 1963 there were 7,442 employers enrolled under Plan III.

Accidents reported during the 48th year were down 1.7% and claims for compensation were down 6.5% when compared to the 47th year total.



Paid premiums showed a gain of 8% while paid benefits were down 5% on compensation payments and down 4% on paid hospital, medical and burial benefits. Incurred premiums and incurred liability are not yet available and will be published in the annual financial statement. Paid premiums and paid benefits used in this report represent only cash business recorded during the fiscal year regardless of the year in which they were incurred.

Occupational disease cases filed under Plan III were two more than a year ago. As of June 30, 1963 the estimated liability reserved on occupational disease claims under Plan III was \$12,739.85 for compensation and \$3,709.80 for hospital and medical benefits for a total reserve of \$16,449.05.

Tables and text pertaining to the administration of the Board or on specific subjects under the administration of the Board will be found on the following pages.

### Table III

#### Plan III

#### COMPARATIVE SUMMARY OF ACTIVITY July 1, 1961 - June 30, 1963

	1961-62	1962-63
Number of employers enrolled	7,296	7,442
Paid premium	\$3,946,761.83	\$4,246,804.85
Number of accidents reported	8,610	8,460
Number of claims filed	1,308	1,223
Occupational disease cases reported	11	13
Compensation benefits paid	\$2,298,281.31	\$2,187,143.79
Hospital, medical and burial benefits paid	\$945,443.80	\$909,518.28
Second injury fund contributions	\$2,500.00	\$2,500.00
Plan III administrative assessment	\$281,491.01	\$203,218.56

Table IV shows a ten year comparison of the number of firms enrolled under the three plans of the coverage of the Workmen's Compensation Act.

Table V shows a five year comparison of the number of accidents reported and the number of claims filed by each of the three plans of the Workmen's Compensation Act.



Table IV

COMPARISON OF NEW FIRMS OVER TEN FISCAL YEARS  
(Net Increase Each Year Over Previous Years)

Fiscal Year	Plan I	Plan II	Plan III	Total
1953-54	4	-109	336	231
1954-55	3	213	743	959
1955-56	-2	25	511	534
1956-57	5	-600	645	50
1957-58	10	469	-355	124
1958-59	-3	110	-364	-257
1959-60	2	287	-857	-568
1960-61	5	353	-160	198
1961-62	4	606	8	619
1962-63	-7	403	146	542

NUMBER OF FIRMS CARRYING WORKMEN'S COMPENSATION INSURANCE  
(Ten Year Comparison)

1953-54	65	4,336	7,125	11,526
1954-55	68	4,549	7,868	12,485
1955-56	66	4,574	8,379	13,019
1956-57	71	3,974	9,024	13,069
1957-58	81	4,443	8,669	13,193
1958-59	78	4,553	8,305	12,936
1959-60	80	4,840	7,440	12,368
1960-61	85	5,193	7,288	12,566
1961-62	89	5,800	7,296	13,185
1962-63	82	6,203	7,442	13,727

Table V

NUMBER OF ACCIDENTS & CLAIMS FILED BY PLAN  
(Five Year Comparison)

Year	Plan I		Plan II		Plan III		All Plans	
	Accidents	Claims	Accidents	Claims	Accidents	Claims	Accidents	Claims
44	2,033	567	7,162	1,030	10,314	1,686	19,509	3,283
45	2,179	461	7,934	1,190	10,195	1,546	20,308	3,197
46	2,042	482	8,106	1,203	9,721	1,420	19,869	3,105
47	2,430	570	9,113	1,375	8,610	1,308	20,153	3,253
48	2,117	505	10,428	1,443	8,460	1,223	21,005	3,171

## INDUSTRIAL ACCIDENT BOARD ADMINISTRATIVE INCOME AND DISBURSEMENTS

The Industrial Accident Board spent a total of \$423,923.04 for the administration of the Workmen's Compensation Act during the 48th year of the Act's existence. This is an increase of \$5,840.50 over the 47th year's cost of administration.

The cost of the administration of the Act is borne by the assessment on self-insured employers, insurance carriers, and the industrial insurance fund. The maximum assessment provided for is as follows:

Plan I	.02% of the gross annual payroll
Plan II	3.25% of the direct annual premium written
Plan III	10.00% of the net premium income of the industrial insurance fund
Boiler Inspection	license and inspection fees
Occupational Disease	\$3.00 policy filing fee

Income for the Administrative Fund for the 48th year was as follows:

Plan I	\$ 22,544.30
Plan II	90,966.32
Plan III	203,218.56
Boiler Inspection	20,849.10
Occupational Disease	2,856.00
	<u>340,434.28</u>
Plus cash balance June 30, 1962	158,682.16
Total Income	<u>\$499,116.44</u>

Disbursements necessary to administer the Workmen's Compensation Act are charged to the plan causing the disbursements. Disbursements by plan for the 48th year were as follows:

Plan I	\$ 24,462.31
Plan II	75,938.67
Plan III	291,944.32
Boiler Inspection	24,133.76
Occupational Disease	7,443.98
Total	<u>\$423,923.04</u>

Table VI shows the income and disbursements of the Industrial Administrative Fund by plan for the 48th year.

Table VII shows the percentage of the cost of operating the Industrial Accident Board attributable to each plan.

Table VI

INDUSTRIAL ACCIDENT BOARD ADMINISTRATIVE  
INCOME AND DISBURSEMENTS

	<u>Plan I</u>	<u>Plan II</u>	<u>Plan III</u>	<u>Boiler Insp.</u>	<u>Occ. Dis.</u>	<u>Total</u>
Cash balance 6-30-62	(\$ 3,885.58)	\$ 17,151.50	\$137,721.85	(\$ 3,058.77)	\$10,723.16	\$158,682.16
New income	<u>22,544.30</u>	<u>90,966.32</u>	<u>203,218.56</u>	<u>20,642.10</u>	<u>2,856.00</u>	<u>340,434.28</u>
Total	18,668.72	108,117.82	340,940.41	17,790.33	13,579.16	499,116.44
Less disbursements	24,402.31	75,038.67	201,944.32	24,133.76	7,443.96	423,923.04
Cash balance 6-30-63	(\$ 5,773.59)	\$32,179.15	\$ 48,996.09	(\$ 6,343.43)	\$ 6,135.18	\$ 75,103.40
Assessments	.02%	3.00%	5.5%	License fee	Filing fee	
Maximum assessment	.02%	3.25%	10.00%	By statute	By statute	

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Table VII

PROPORTIONATE COST OF OPERATING THE INDUSTRIAL ACCIDENT BOARD  
(Per cent by Plan)

Plan	Percentage
Plan I	5.77
Plan II	17.51
Plan III	68.86
Boiler Inspection	5.70
Occupational Disease	<u>1.76</u>
	100.00

Table VIII shows the premium income and disbursements for benefits of the Industrial Insurance Fund for the past 5 fiscal years.

Table VIII  
INCOME AND DISBURSEMENTS  
(44th to 48th Year)

<u>Year</u>	<u>Income</u>	<u>Disbursements</u>
44th	\$ 4,557,683.00	\$ 3,371,903.35
45th	4,704,144.17	3,249,652.73
46th	4,691,516.82	4,266,762.95
47th	3,946,790.19	4,310,525.70
48th	4,246,804.85	3,900,746.93
Total	<u>\$22,146,939.03</u>	<u>\$19,099,591.66</u>

#### INVESTMENTS

The book value of the investments of the Fund as of June 30, 1963 was \$10,239,300.00 in U. S. Government bonds, \$470,000.00 in Unemployment Compensation Commission bonds and \$317,366.30 in F. H. A. mortgage loans for a total of \$11,026,666.30. This is an increase of \$670,275.36 in book value over last year.

Table IX shows the premium income and disbursements of the Industrial Insurance Fund for the past year.

Table III

INDUSTRIAL INSURANCE FUND  
(Income and Disbursements July 1, 1962 - June 30, 1963)

## INCOME:

Premium Income	\$4,246,804.85
Penalties	1,279.65
Auditors Assessments	31,077.58
Recoveries	7,986.75
Interest on Bonds	318,353.86
Int. On Mortgage Loans	17,841.04

## DISBURSEMENTS:

## Compensation:

Temporary Partial	\$ 6,794.64
Temporary Total	513,961.07
Permanent Partial	1,239,510.04
Permanent Total	92,823.81
Fatal	334,054.23

Total Compensation	\$2,187,143.79
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## Medical and Hospital:

Hospital	\$ 344,323.08
Doctors	487,642.18
Nurses	9,298.75
Ambulance	3,475.92
Drugs	25,476.56
Ext. Medical	2,286.00
Ext. Legal	16,417.25
Miscellaneous	4,700.70
Burial	15,897.84

Total Medical & Hospital	909,518.28
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Second Injury Fund	2,500.00
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Industrial Administrative Assessment	203,218.56
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Vocational Rehabilitation	50,000.00
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Refunds to Participants	548,366.30
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\$4,623,343.73

Total Disbursements	\$3,900,746.93
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# DEPARTMENT OF UNDERWRITING

The Department of Underwriting of Plan III presents statistics on employer enrollment and cancellations under Plan III and a table summarizing the activities of the field representatives of the department during the 48th year on tables XII, XIII and XIV respectively.

At the turn of the calendar year, the goal of engaging 4 staff representatives was reached. The chief duties of these men is the auditing of payrolls, contacting new firms in order to properly classify the operations and to instruct in the simple method of submitting payrolls and reporting claims, if any. Also, this staff is schooled to discuss problems arising in the field pertaining to all phases of underwriting and reporting.

Table XII  
PLAN III ENROLLMENTS  
July 1, 1962 - June 30, 1963

Month	Voluntary Enrollments	Referred Enrollments	Change of Name Only	Re-Enrollments	Transfer From Plan II
July 1962	43	8	8	12	4
Aug. 1962	68	15	16	20	2
Sept. 1962	38	8	7	13	5
Oct. 1962	39	27	3	8	3
Nov. 1962	27	39	13	7	4
Dec. 1962	27	25	4	11	4
Jan. 1963	22	20	9	7	5
Feb. 1963	34	15	15	9	6
Mar. 1963	43	14	14	8	14
Apr. 1963	36	14	4	13	6
May 1963	64	15	16	19	4
June 1963	60	11	9	14	2
TOTALS	501	211	118	141	59

GRAND TOTAL - 1030

TABLE XIII  
CANCELLATIONS FOR THE FISCAL YEAR 1962-1963

Reason for Cancellation	July 1962	Aug. 1962	Sept. 1962	Oct. 1962	Nov. 1962	Dec. 1962	Jan. 1963	Feb. 1963	Mar. 1963	Apr. 1963	May 1963	June 1963	TOTAL
Ceased Operations	70	63	30	47	50	23	29	73	32	75	40	24	556
Transfer to New Firm	10	15	7	8	11	5	4	15	9	17	16	14	131
Sheriff's Notice	9	13	6	21	8	7		11	3	11	8		97
Transfer to Plan 2	7	12	6	3	5	2	2	10	2	9	10	1	69
Failure to Secure Forms			3					2	1	3	2	1	12
Other	3	3	1	6	2	3		8	4	4	4		36
TOTAL	99	100	53	85	76	40	35	119	51	119	80	40	703

TABLE XIV  
ACTIVITIES OF FIELD REPRESENTATIVES OF THE UNDERWRITING DEPARTMENT

Activities	July 1962	Aug. 1962	Sept. 1962	Oct. 1962	Nov. 1962	Dec. 1962	Jan. 1963	Feb. 1963	Mar. 1963	Apr. 1963	May 1963	June 1963	TOTAL
Man Days	40	50	40	55	51	67	79	72	84	80	91	80	700
Completed Audits	203	195	149	204	198	251	316	263	187	352	408	401	3147
New Firm Interviews	0	0	0	16	21	20	8	43	33	73	104	84	402
Special Calls	0	0	0	0	0	0	0	0	6	12	13	16	47
Ave. No. Productive Calls Per Day	3.4	3.9	3.7	2.93	4.20	3.59	3.52	4.52	2.69	5.47	5.71	5.03	48.75
Ave. No. Productive Calls Per Man	67.5	97.5	74.5	73.3	73.0	67.7	81.0	81.5	56.5	109.35	131	125	1037.95
Ave. Cost Per Productive Call	12.80	8.57	10.55	5.87	7.72	8.14	7.72	8.52	13.37	7.01	5.67	6.16	102.10



## PREMIUM RATES:

Rate changes were made on approximately 21% of the premium rates of the Industrial Insurance Fund. A decrease in rate was permissible in 80% of the changes and an increase was necessary in the remaining 20%. Rate changes made will become effective July 1, 1963. A year ago a change was made in 8% of the rates of the Fund and an increase was necessary in about 65% of the total changes made.

## REFUNDS TO PARTICIPANTS:

Experience refunds paid or allowed as credits to participants to the Industrial Insurance Fund totaled \$518,097.52 and were distributed to some 2,600 employers. A year ago \$1,317,847.93 was distributed to some 4,400 employers.

## CLAIMS:

The claims department processed 8,460 accidents and 1,223 new claims during the 48th year. This is a 1.7% decrease in accidents reported and a 6.4% decrease in claims filed. Re-opened claims totaled 364, or 22% less than a year ago.

Reserves for unpaid liability on claims as of June 30, 1963 was \$4,379,047.69 for compensation and \$573,116.61 for hospital and medical benefits for a total reserve of \$4,952,164.30. This total is about 8% higher than a year ago, and is also about 8% higher than an average of the past five years. This average is based on the reserve at the end of the last five fiscal years. The five year average is \$4,559,019.80. This includes compensation and medical reserves.

Liability on re-opened claims during the past year totaled \$373,797.63. This is about 10% less than the incurred liability on re-opened claims of a year ago.

## HEARINGS AND ADJUDICATION:

During the fiscal year, 1,223 claims for lost time compensation were filed. The tables on pages 4 show the number of reported accidents and claims filed under each of the three plans of the act. There were a total of 806 disputed claims. The disputes involved disability in the large majority. These cases were placed on the Board's docket and were disposed of either by formal hearing or by an agreed settlement.

There has been a notable increase in contested claims during the last three years. The following table indicates the disputed cases by plan. In the 48th year 20% of the contested cases arose under Plan I; 52% under Plan II; and 28% under Plan III. Compare these figures with the table on page 4 which shows the number of employers operating under each plan.

Table XV  
Disputed Claims By Plan

Plan	44th Year	46th Year	48th Year	Total	% of Total
I	34	48	63	145	20%
II	130	138	158	426	52%
III	84	66	85	235	28%
Total	248	252	306	806	100%

# VOLUNTEER FIREMEN'S FUND

The Volunteer Firemen's Compensation Act was enacted in 1935 to provide medical and hospital insurance for injured members of volunteer fire departments in unincorporated towns. Revenue to support this act is obtained from a tax on Fire Insurance written in Montana. Revenue has averaged about \$25,000 per year for the past ten years. The present status of the fund is shown in table XVI .

Table XVI  
Statement of Condition  
VOLUNTEER FIREMEN'S FUND

Cash Balance June 30, 1962		\$ 31,493.99
Income		
Matured Investments	\$15,000.00	
Interest	11,663.41	26,663.41
Total		<u>58,157.40</u>
Less Warrants Issued		<u>51,255.96</u>
Balance June 30, 1963		6,901.44
Investments		<u>335,000.00</u>
Total Cash & Investments June 30, 1963		\$341,901.44

## SILICOSIS BENEFIT ACT

During the period of July 1, 1962 through June 30, 1963, 129 applicants were examined and 33 were found on examination to be disabled by silicosis. The remaining 96 were found to be disabled by other causes such as heart disease, emphysema, etc., or found not disabled by any disease. A total of 62 recipients died during the past year.

As of June 30, 1963 a total of 713 claimants were receiving monthly benefits of \$75.00 each. A total of \$722,924.41 was disbursed in benefits and \$6,524.50 was disbursed for medical examinations during the past year.

Total administrative expenses for the past year were \$15,109.68. Comparative figures for the last two fiscal years are shown below.

	1961-62	1962-63
Salaries	\$ 6,901.00	\$ 7,429.97
Medical Exams	15,044.71	6,524.50
Postage		226.00
Travel	1,422.29	664.07
Supplies	534.16	178.14
Furniture & Fixtures	114.60	
Other		87.00
Total	<u>\$24,016.76</u>	<u>\$15,109.68</u>

On June 30, 1963 a total of \$107,232.16 was returned to the General Fund.

The June 30, 1963 status of the Silicosis Benefit Fund and the Silicosis Administrative Fund is shown in tables XVII and XVIII respectively.

Table XVII  
SILICOSIS BENEFIT FUND  
(Income and Disbursements July 1, 1962 - June 30, 1963)

Cash Balance June 30, 1962		\$ 51,681.78
Income:		
By Appropriation	\$725,000.00	
Cancelled Warrants & Refunds	6,476.50	
Other	1,200.00	<u>732,676.50</u>
Less Disbursements *		<u>722,924.41</u>
Cash Balance June 30, 1963		\$ 61,433.87

\*Disbursements for 13 month benefit period of July 1, 1962 through July 31, 1963.

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Table XVIII  
SILICOSIS ADMINISTRATIVE FUND  
(Income and Disbursements July 1, 1962 - June 30, 1963)

Cash Balance June 30, 1962		\$ 20,758.24
Income:		
By Appropriation	\$ 39,612.00	
Cancelled Warrants	450.73	
Other	87.00	<u>40,149.73</u>
		<u>60,907.97</u>
Less Disbursements:		
Salaries	7,429.97	
Medical Examinations	6,524.50	
Postage	226.00	
Travel	664.07	
Supplies	178.14	
Other	87.00	<u>15,109.68</u>
Cash Balance June 30, 1963		\$ 45,798.29

Table XIX

OCCUPATIONAL DISEASE FUND  
(Statement of Condition, June 30, 1963)

Cash Balance June 30, 1963		\$21,773.05
Income		<u>41,712.24</u>
		63,485.29
Less Disbursements		<u>52,426.04</u>
Cash Balance June 30, 1963		11,059.25
Investments		<u>50,000.00</u>
Total Cash and Investments June 30, 1963		61,059.25
Less:		
Medical Reserve	\$ 3,709.80	
Compensation Reserve	12,739.85	<u>16,449.65</u>
Surplus June 30, 1963		\$44,609.60

#### OCCUPATIONAL DISEASE:

A total of 45 occupational disease cases were reported by employers under the Occupational Disease Act. Plan I reported 12 cases; Plan II reported 20 cases; and Plan III reported 13 cases.

This is an increase of 12 cases over the total number reported last year.

The disease reported was dermatitis in 15 cases; silicosis in 9 cases; lead poisoning in 8 cases; toxic fumes in 5 cases and other diseases accounted for the 8 remaining cases.

#### ACCIDENTS REPORTED:

A total of 21,005 accidents were reported to the Industrial Accident Board by employers under the three plans of the Workmen's Compensation Act. This is an increase of 4.2% over the number of accidents reported during the 47th year. Plan I showed a 12.8% decrease; Plan II showed a 14.4% increase; and Plan III showed a 1.7% decrease in total accidents reported.

A total of 49 deaths were reported to the Board during the 48th year, 4 less than the total reported a year ago. Agriculture and agricultural services and Government were the major industrial divisions showing the greatest change in the number of deaths reported.

Agriculture and related services reported 4 more than a year ago and Government reported 7 less than a year ago.

Statistical tables of the various accident cause factors will be found on the following pages.

Table XX

## FATALITIES BY INDUSTRY

July 1, 1962 - June 30, 1963

<u>Industry</u>	<u>Plan I</u>	<u>Plan II</u>	<u>Plan III</u>	<u>Total</u>
AGRICULTURE & AGRICULTURAL SERVICES		<u>2</u>	<u>3</u>	<u>5</u>
General farms		2	1	3
Livestock ranching			2	2
MINERAL EXTRACTION	<u>6</u>		<u>3</u>	<u>9</u>
Copper mining	6			6
Gold & silver mining			1	1
Petroleum & natural gas production			1	1
Sand & gravel digging			1	1
CONTRACT CONSTRUCTION		<u>8</u>	<u>5</u>	<u>13</u>
General construction (not building)		4		4
Road & street construction		1	4	5
Special trade contractors		3	1	4
MANUFACTURING	<u>3</u>	<u>2</u>	<u>5</u>	<u>10</u>
Logging	2	2	5	9
Smelting & refining of metals	1			1
TRANSPORTATION, COMMUNICATION, & UTILITIES	<u>2</u>	<u>1</u>	<u>1</u>	<u>4</u>
Bus transportation	1			1
Trucking		1		1
Electric utilities	1			1
Pipeline transportation			1	1
TRADE		<u>1</u>	<u>2</u>	<u>3</u>
Wholesale trade		<u>1</u>	<u>2</u>	<u>3</u>
Building materials		1		1
Sundries			1	1
Petroleum products			1	1
FINANCE, INSURANCE & REAL ESTATE		<u>2</u>		<u>2</u>
Casualty insurance		1		1
Life insurance		1		1
SERVICE		<u>1</u>	<u>2</u>	<u>3</u>
Protective service			1	1
Engineering service			1	1
Boy scout camps		1		1
GOVERNMENT			<u>2</u>	<u>2</u>
Local government			<u>2</u>	<u>2</u>
Police protection			1	1
Road & street department			<u>1</u>	<u>1</u>
Total	12	17	23	49

Table XXI

## PRIME CAUSE OF DEATH BY MAJOR INDUSTRY

July 1, 1962 - June 30, 1963

<u>Industry</u>	<u>Plan I</u>	<u>Plan II</u>	<u>Plan III</u>	<u>Total</u>
AGRICULTURE & AGRICULTURAL SERVICES		<u>2</u>	<u>3</u>	<u>5</u>
Airplane crash			1	1
Fall from horse			1	1
Overcome by smoke		1		1
Caught in equipment			1	1
Suffocated in mud		1		1
MINERAL EXTRACTION	<u>0</u>	<u>0</u>	<u>3</u>	<u>9</u>
Caught between wall & cage	1			1
Fall from derrick			1	1
Fall down shaft			1	1
Fall of ground	3			3
Falling pipe	1			1
Heart attack	1			1
Overturning equipment			1	1
CONTRACT CONSTRUCTION		<u>8</u>	<u>5</u>	<u>13</u>
Overturning equipment			1	1
Caught in equipment			1	1
Falling equipment		4	2	6
Falling ladder			1	1
Truck overturned		1		1
Struck by material		1		1
Car accident		1		1
Heart attack		1		1
MANUFACTURING	<u>3</u>	<u>2</u>	<u>5</u>	<u>10</u>
Drowning		1		1
Fall into machinery	1			1
Falling tree	1	1	3	5
Overturning equipment	1		1	2
Truck overturnig			1	1
TRANSPORTATION, COMMUNICATION & UTILITIES	<u>2</u>	<u>1</u>	<u>1</u>	<u>4</u>
Truck collision	1	1		2
Truck overturned			1	1
Electrocution	1			1
TRADE		<u>1</u>	<u>2</u>	<u>3</u>
Automobile collision		1		1
Truck-trailer collision			1	1
Truck overturning			1	1
FINANCE, INSURANCE & REAL ESTATE			<u>2</u>	<u>2</u>
Automobile overturned			1	1
Airplane crash			1	1
SERVICE		<u>1</u>	<u>2</u>	<u>3</u>
Automobile collision			1	1
Fall			1	1
Truck overturned		1		1



Table XXI

## PRIME CAUSE OF DEATH continued

	Plan I	Plan II	Plan III	Total
GOVERNMENT			<u>2</u>	<u>2</u>
Automobile collision			1	1
Caught in equipment	<u>—</u>	<u>—</u>	<u>1</u>	<u>1</u>
Total	12	17	23	49

Table XXII

Time-Loss and no Time-Loss Injuries  
By Industrial Classifications

All Industries

July 1, 1962 - June 30, 1963

Industry	Total	Lost-Time Injuries	No Lost-Time Injuries	Undeter- mined
<b>AGRICULTURE &amp; AGRICULTURAL SERVICES</b>	<u>650</u>	<u>247</u>	<u>389</u>	<u>14</u>
Agriculture	545	213	324	0
Agricultural services, hunting & trapping	95	30	60	5
Forestry	0	4	5	
<b>MINERAL EXTRACTION</b>	<u>1,354</u>	<u>555</u>	<u>783</u>	<u>10</u>
Metal Mining	<u>389</u>	<u>238</u>	<u>118</u>	<u>3</u>
Iron ores	1	1		
Copper ores	240	197	41	2
Lead and zinc	4	3	1	
Gold and silver	63	31	32	
Ferroalloy ores (manganese, tungsten)	1		1	
Metal mining services (stripping, strip mining)	80	30	43	1
Bituminous coal and lignite mining	<u>20</u>	<u>4</u>	<u>14</u>	<u>2</u>
Bituminous coal	20	4	14	2
Crude petroleum and natural gas	<u>575</u>	<u>218</u>	<u>348</u>	<u>9</u>
Crude petroleum and natural gas production	40	14	26	
Oil and gas field services	535	204	322	0
Mining & quarrying of nonmetallic minerals except fuels	<u>370</u>	<u>65</u>	<u>303</u>	<u>2</u>
Dimension stone (blocks, slabs)	20	3	17	
Crushed and broken stone including riprap	8	3	5	
Sand and gravel	33	12	24	
Chemical and fertilizer mineral mining	210	20	189	1
Nonmetallic minerals services	1		1	
Miscellaneous nonmetallic minerals	65	27	37	1
<b>CONTRACT CONSTRUCTION</b>	<u>4,436</u>	<u>1,069</u>	<u>3,273</u>	<u>66</u>
Building construction - general contractors	<u>835</u>	<u>263</u>	<u>588</u>	<u>14</u>
General building contractors	835	233	568	14
Construction other than bldg. constr. gen. contr.	<u>2,052</u>	<u>462</u>	<u>1,555</u>	<u>35</u>
Highway and street construction	79	100	598	11
Heavy construction, except highway and street	1,253	272	957	24
Construction - special trade contractors	<u>1,521</u>	<u>374</u>	<u>1,190</u>	<u>17</u>
Plumbing, heating and air conditioning	327	84	237	0
Painting, paper hanging and decorating	30	22	16	1
Electrical work	257	47	208	2
Masonry, stonework, tile setting and plastering	110	34	81	1
Carpentering and wood flooring	2		2	
Concrete work (does not include streets, roads, and sidewalks, except on residential property)	22	8	14	
Roofing and sheet metal work	113	50	141	2
Water well drilling	23	8	15	
Miscellaneous special trade contractor (structural steel, wrecking, demolition)	542	121	416	5
<b>MANUFACTURING</b>	<u>5,424</u>	<u>1,720</u>	<u>3,631</u>	<u>67</u>

Table XXII

Time-Loss and no Time-Loss Injuries  
By Industrial Classifications

All Industries

July 1, 1962 - June 30, 1963

Industry	Total	Lost-Time Injuries	No Lost-Time Injuries	Undeter- mined
<b>MANUFACTURING continued.</b>				
Food and kindred products	<u>1,147</u>	<u>240</u>	<u>866</u>	<u>13</u>
Meat products	277	74	201	2
Dairy products	215	41	158	7
Canning and preserving fruits and vegetables	43	10	33	
Grain mill products (flour, feeds, cereal)	127	24	101	2
Bakery products	105	23	82	
Sugar	202	39	161	2
Confectionery and related products	1		1	
Beverage industries	140	24	122	
Miscellaneous food preparation and kindred products (grease, tallow, manufactured ice)	30	11	19	
Textile products	<u>7</u>	<u>2</u>	<u>5</u>	
Lumber and wood products, except furniture	<u>3,173</u>	<u>1,121</u>	<u>1,943</u>	<u>39</u>
Logging camps and logging contractors	608	431	426	19
Sawmills and planing mills	1,750	608	1,127	15
Mill work, veneer, plywood, prefab structural wood products	435	104	357	4
Miscellaneous wood products (preserving, treating, shaping)	50	18	31	1
Furniture and fixtures	<u>7</u>	<u>1</u>	<u>6</u>	
Paper and allied products	<u>129</u>	<u>20</u>	<u>108</u>	<u>1</u>
Pulp mills	8	1	7	
Paper mills, building paper mills	121	19	101	1
Printing, publishing and allied industries	93	25	70	1
Chemicals and allied products	45	6	37	
Petroleum refining and related industries	154	33	120	
Leather and leather products	3		3	
Stone, glass and clay products	277	70	205	2
Primary metal industries	139	48	82	9
Fabricated metal products except ordnance, machine and transportation equipment	134	30	103	1
Machinery, except electrical	74	8	66	
Machinery, electrical	1		1	
Transportation equipment	20	5	15	
Professional, optical, scientific goods	2	1	1	
Miscellaneous manufacturing industries	30	9	27	
<b>TRANSPORTATION, COMMUNICATION, &amp; UTILITIES</b>	<u>1,150</u>	<u>338</u>	<u>802</u>	<u>10</u>
Railroad transportation	<u>17</u>	<u>5</u>	<u>12</u>	
Railroads	5	1	4	
Railway express service	12	4	8	
Local and suburban transit and interurban passenger transportation	<u>40</u>	<u>10</u>	<u>29</u>	<u>1</u>
Local suburban passenger transportation	4	1	3	
Taxi-cabs	17	5	12	
Inter-city and rural highway transportation	17	4	12	1

Table XXII

Time-Loss and no Time-Loss Injuries  
By Industrial Classifications

## All Industries

July 1, 1962 - June 30, 1963

Industry	Total	Lost-Time Injuries	No Lost-Time Injuries	Undetermined
TRADE continued				
Retail trade - building materials, hardware, farm equipment	732	170	556	6
Lumber and other building materials dealers	225	48	175	1
Paint, glass and wall paper stores	52	0	42	1
Hardware and farm equipment (tractors, equipment, general hardware)	306	64	221	4
Machinery and equipment dealers including service and repair	146	28	118	
Retail trade - general merchandise	298	51	235	12
Department stores	203	34	150	10
Mail order houses	3		3	
Limited price variety stores (5 & 10)	74	13	50	2
Miscellaneous general merchandise stores (dry goods, apparel, limited housewares and home furnishing)	10	4	14	
Retail trade - food	521	104	500	7
Grocery stores	572	94	472	6
Meat and fish markets	32	0	25	1
Dairy product stores	1	1		
Candy, nut and confectionery stores	1		1	
Retail bakeries	15	4	11	
Retail trade - automobile dealers and gas service stations	1,321	273	1,038	10
Motor vehicle dealers (new and used cars)	775	134	637	4
Tire, battery and accessory dealers	135	37	97	1
Gasoline service stations	393	9	280	5
Miscellaneous aircraft, marine and auto dealers	16	0	15	
Retail trade - apparel and accessories	14	2	11	1
Womens' ready-to-wear stores	6	1	4	1
Family clothing stores	3	1	2	
Shoe stores	2		2	
Miscellaneous apparel and accessory stores	3		3	
Retail trade - furniture, home furnishing and equipment	106	39	123	4
Furniture, home furnishings and equipment stores	127	28	96	3
Household appliance stores	35	11	23	1
Radio, T. V. and music stores	4		4	
Retail trade - eating and drinking places	406	165	316	5
Retail trade - miscellaneous stores	117	41	76	
Drug stores and propriety stores	27	7	20	
Book and stationery stores	3		3	
Sporting goods stores and bicycle shops	2		2	
Farm and garden supply stores	41	10	22	
Jewelry stores	3	1	2	
Retail stores N. O. C. (Florists, news, cameras)	41	14	27	

Table XXII

Time-Loss and no Time-Loss Injuries  
By Industrial Classifications

## All Industries

July 1, 1962 - June 30, 1963

Industry	Total	Lost-Time Injuries	No Lost-Time Injuries	Undeter- mined
<b>FINANCE, INSURANCE &amp; REAL ESTATE</b>	<u>103</u>	<u>29</u>	<u>73</u>	<u>1</u>
Banking	36	7	30	1
Credit agencies other than banks	3		3	
Insurance carriers	16	3	13	
Insurance agents, brokers and service	8	2	6	
Real estate	30	17	21	
<b>SERVICES</b>	<u>1,422</u>	<u>384</u>	<u>1,007</u>	<u>31</u>
Motels, rooming houses, camps and other lodging places	<u>213</u>	<u>70</u>	<u>141</u>	<u>5</u>
Hotels, tourist courts and motels	109	61	133	5
Trailer parks and camps	17	9	8	
Personal services	<u>125</u>	<u>32</u>	<u>90</u>	<u>3</u>
Laundries, laundry serv., cleaning dyeing plants	112	26	83	3
Beauty shops and barber shops	5	2	3	
Funeral services, crematories	7	3	4	
Miscellaneous personal services	1	1		
Miscellaneous business services	57	19	46	2
Automobile repair, auto services and garages	179	51	127	1
Miscellaneous repair services	84	15	66	
Motion pictures	17	6	9	2
Amusement, recreation services, except motion picture	111	31	76	2
Medical and other health services	<u>472</u>	<u>109</u>	<u>350</u>	<u>13</u>
Offices of physicians, surgeons and dentists	15	6	9	
Hospitals	406	82	312	12
Health & allied services, N. O. C. (rest homes)	51	21	29	1
Educational services	20	5	15	
Nonprofit membership organizations	92	38	51	3
Miscellaneous services	39	8	31	
<b>GOVERNMENT</b>	<u>1,971</u>	<u>582</u>	<u>1,268</u>	<u>101</u>
State	<u>806</u>	<u>232</u>	<u>512</u>	<u>62</u>
Montana highway patrol	29	12	17	
Corrections, department of (including state prisons, corrective institutions, youth authority, etc.)	55	10	32	13
Education, department of (including university, state colleges, special schools, etc.)	190	39	150	7
State hospitals, board of health	142	39	76	27
Fish and game department	36	8	28	
Natural resources, forestry, water conservation board	32	10	21	1
Public works, department of (including highways, parks, shop and central department)	242	84	147	11
Other state agencies	74	30	41	3
Local	<u>1,165</u>	<u>350</u>	<u>770</u>	<u>39</u>
Police protection	99	35	60	4
Fire protection	54	6	46	2
Education	349	114	226	9
Park and recreation	41	12	27	2



Table XXII

Time-Loss and no Time-Loss Injuries  
By Industrial Classifications

All Industries

July 1, 1962 - June 30, 1963

Industry	Total	Lost-Time Injuries	No Lost-Time Injuries	Undeter- mined
GOVERNMENT continued				
Water supply services	52	18	34	
Sanitary services	70	25	41	4
Road, street, public works, including shops	356	104	243	9
Hospitals	41	14	23	4
Other local government	103	22	76	5
Industry not reported or non-classifiable	<u>17</u>	<u>6</u>	<u>9</u>	<u>2</u>
Total	21,005	5,968	14,572	365

Table XXIII  
 Accident Type  
 By Major Industry  
 All Industries  
 July 1, 1902 - June 30, 1903  
 Accident Type

Accident Type	Per cent	Total	Agriculture & agricultural services	Mineral extraction	Contract construction	Manufacturing	Transportation, communication & utilities	Trade	Finance, insurance & real estate	Service	Government	Not given
Struck by or striking against	41.1	8,040	240	590	1,738	2,501	394	1,730	35	512	624	7
Caught in, on or between	7.2	1,511	46	180	292	447	76	257	9	105	90	
Falls and / or slips	21.5	4,507	167	232	888	1,040	202	808	34	320	627	3
Involving moving motor vehicles	2.3	421	18	30	29	80	75	74	5	23	60	
Strain or over-exertion	13.1	2,742	50	111	508	578	106	760	16	242	298	2
Contact with temperature extremes	3.0	332	18	34	166	151	24	113		84	41	1
Inhalation, absorption, swallowing	2.1	448	7	51	93	113	21	84		42	37	
Contact with electrical current	.3	72			30	12	12	6		3	7	
Explosion, flash-back, etc.	.4	63		12	11	10	8	24		5	7	
Foreign body in eye	7.0	1,413	37	91	464	411	50	257	1	53	69	1
Heart attack, heart disease or strain	.2	36	1	1	0	7	1	0		2	12	
Other and not stated	1.8	372	35	16	83	62	33	60	2	25	53	3
Total	100.0	21,005	650	1,354	4,438	5,424	1,150	4,470	103	1,422	1,971	17
Per cent		100.0	3.1	6.4	21.1	25.8	5.5	21.3	.5	6.8	9.4	.1



Table XXIV												
Agency By Major Industry All Industries												
July 1, 1962 - June 30, 1963		Agency										
	Per cent	Total	Agriculture & agricultural services	Mineral extraction	Contract construction	Manufacturing	Transportation, communication & utilities	Trade	Finance, insurance & real estate	Service	Government	Not given
Machines	5.7	1,205	41	66	169	440	32	2.0	1	85	61	
Elevators	.1	30		1	4	4	1	9		8	3	
Hoisting apparatus	1.4	268		188	39	34	12	13			1	
Conveyors	.6	129	10	5	16	77	5	10			3	1
Vehicles	6.2	1,295	41	84	267	237	13	200	11	64	161	1
Hand tools	13.4	2,610	72	147	661	603	116	746	10	196	166	3
Chemicals, hot or injurious substances	4.7	577	15	82	233	233	45	132		97	73	1
Working surfaces	17.2	3,613	33	229	675	779	247	729	29	285	541	2
Ladders	1.5	320	3	16	119	40	19	61	1	13	42	1
Containers	4.5	1,033	25	18	105	246	90	364	5	60	96	
Trees, logs, lumber	6.2	1,720	16	62	235	1,240	26	63		15	61	
Boilers, pressure vessels	.1	20	1	3	6	6		1			3	
Pumps, prime movers	.4	65	3	18	2	14	5	8	1	1	3	
Mechanical power transmission apparatus	..	1			1							
Electrical apparatus	.6	117	1	3	45	23	15	15	1	4	9	
Flying particles, unassigned	6.4	1,347	31	84	426	363	55	233	1	50	77	1
Animals	1.4	288	161	2	9	14	21	20	2	14	45	
Motion or pressure	2.5	523	10	20	106	93	37	142	6	43	65	1
Environmental conditions	.1	37	6	7	8	6	3				7	
Miscellaneous agencies	21.9	4,594	104	286	1,103	713	255	1,138	34	440	515	3
Unclassified, insufficient data	2.7	573	17	28	150	149	33	116	1	37	30	3
Total	100.0	21,005	650	1,354	4,436	5,424	1,156	4,470	103	1,422	1,971	17
Per cent		100.0	3.1	6.4	21.1	25.8	5.5	21.3	.5	6.8	9.4	.1

Table XXV												
Nature of Injury By Major Industry All Industries July 1, 1962 - June 30, 1963	Per cent	Total	Agriculture & agricultural services	Mineral extraction	Contract construction	Manufacturing	Transportation, communication & utilities	Trade	Finance, insurance & real estate	Service	Government	Not given
Amputation, loss of, loss of use of	.9	197	4	19	38	63	12	43		12	5	
Burns or scalds	4.4	920	16	63	237	214	47	177		115	56	1
Cuts, lacerations, punctures, etc.	23.1	4,845	150	233	945	1,276	215	1,289	23	340	357	2
Strains, sprains, dislocations	28.5	5,976	155	262	1,162	1,302	367	1,426	33	432	739	4
Crushing injuries	3.1	656	17	70	150	158	50	118	4	34	47	
Fractures	3.9	1,401	76	134	335	303	105	105	5	74	142	2
Hernia	1.2	255	14	14	46	43	12	70	1	18	36	1
Industrial disease	1.4	286	9	31	60	63	20	47		25	31	
Bruises and contusions	16.5	4,104	134	311	763	1,236	221	663	20	253	400	3
Heart disease, strain, stroke, cerebral hemorrhage, etc.	.2	39	1	2	6	7	1	5		3	14	
Foreign body in eye	0.1	1,917	40	108	511	519	76	394	2	83	107	1
Other	.7	136	11	3	36	26	6	20	1	8	24	
Not stated	1.0	203	17	16	43	34	21	33	2	16	12	3
Total	100.0	21,005	650	1,354	4,438	5,424	1,156	4,470	103	1,422	1,971	17
Per cent	100.0		3.1	6.4	21.1	25.8	5.5	21.3	.5	6.8	9.4	.1

Table XXVI												
Body Location By Major Industry All Industries												
July 1, 1962 - June 30, 1963												
	Per cent	Total	Agriculture & agricultural services	Mineral extraction	Contract construction	Manufacturing	Transportation, communication & utilities	Trade	Finance, insurance & real estate	Service	Government	Not given
Eyes	11.8	2,475	60	136	747	665	100	474	4	132	146	2
Head, face and neck	8.1	1,606	57	131	325	436	134	342	10	103	157	1
Back and spine	18.3	3,656	84	169	754	981	235	653	33	264	461	4
Trunk	8.0	1,663	65	125	346	413	89	292	7	104	221	1
Arms	8.4	1,754	56	100	354	513	88	326	11	114	169	3
Hands and wrists	9.7	2,042	60	115	397	560	85	493	6	165	160	1
Fingers	15.1	3,175	71	231	597	766	132	639	13	263	242	1
Legs	9.1	1,906	67	146	353	574	113	317	8	126	173	1
Feet and ankles	8.4	1,771	65	136	432	444	108	302	7	115	161	1
Toes	1.8	373	12	24	66	96	31	6	1	17	34	
Body N. O. C. or not stated	1.3	270	13	19	59	56	32	42	3	17	27	2
Total	100.0	21,005	650	1,354	4,438	5,424	1,156	4,470	103	1,422	1,971	17
Per Cent		100.0	3.1	6.4	21.1	25.8	5.5	21.3	.5	6.8	9.4	.1

Table XXVII

Table XXVIII													
Agency By Accident Type All Industries July 1, 1962 - June 30, 1963	Agency	Total	Struck by or striking against	Caught in, on, or between	Slips and falls	Accidents involving moving motor vehicles	Strain or over-exertion	Contact with temperature extremes	Inhalation, absorption, or swallowing	Contact with electric current	Explosion, flash-back, etc.	Foreign body in eye	Other, not stated, or unclassified
Machines	1,205	756	289	18	4	63	13	421	3	1	1	10	5
Elevators	30	4	16	8	1	26							
Holding apparatus	288	137	111	12	1	7				1			
Conveyors	129	31	77	14		111	2	147					
Vehicles	1,295	300	284	48	484	70		408					
Hand tools	2,810	2,505	41	34		1				3	6	2	2
Chemicals, hot or injurious substances	977	16		1		32					21	108	1
Working surfaces	3,613	126	7	3,445		19							3
Ladders	320	30	8	202		620					10	1	1
Containers	1,033	320	56	15		202						2	2
Trees, logs, lumber	1,720	1,254	142	116		3							3
Boilers, pressure vessels	20	8		1		13					2		
Pumps, prime movers	85	53	15	1									
Mechanical power transmission apparatus	1		1	1		10				64	1	1,322	1
Electrical apparatus	117	23	6	64		11			5		1	2	106
Flying particles, unassigned	1,347	16		1		487			1				5
Animals	288	77		22									1
Motion or pressure	523	7	1	1						3	1	10	60
Environmental conditions	37	1		153		348			10				1
Miscellaneous agencies	4,594	2,864	447	271	1	69			11	1			152
Unclassified, insufficient data	573	24	4										408
Total	21,005	8,640	1,517	4,507	491	2,642	632	448	72	83	1,463		

Table XXVIII													
Nature of Injury By Body Location All Industries													
July 1, 1962 - June 30, 1963													
	Per cent	Total	Eyes	Head, face and neck	Back and spine	Trunk	Arms	Hands and wrist	Fingers	Legs	Feet & ankles	Toes	Body N. O. C. or not stated
Amputation, loss of, loss of use of	.9	197	3	107			1		77	2		7	
Burns and scalds	4.4	926	325	122	6	20	118	182	43	50	47		13
Cuts, lacerations, punctures, etc.	23.1	4,845	123	751	18	49	324	943	1,791	464	348	25	9
Strains, sprains, dislocations	28.4	5,978		255	3,451	352	524	237	110	414	620	12	3
Crushing injuries	3.1	656		9	1	7	5	44	487	5	26	54	18
Fractures	7.0	1,462		70	42	284	151	150	306	127	187	144	1
Hernia	1.2	254			3	249							2
Industrial disease	1.4	286	15	46	3	94	17	61	10	9	3	4	24
Bruises and contusions	19.5	4,104	85	251	324	545	600	418	344	814	528	126	69
Heart disease, strain, stroke, cerebral hemorrhage, etc.	.2	38		1		37							
Foreign body in eye	9.1	1,917	1,917										
Other	.7	139	2	67		26	7			2			35
Not stated	1.0	203	5	17	10	20	7	7	7	21	12	1	96
Total	100.0	21,005	2,475	1,696	3,858	1,683	1,754	2,042	3,175	1,908	1,771	373	270
Per cent		100.0	11.8	8.1	18.4	8.0	8.3	9.7	15.1	9.1	8.4	1.8	1.3



Table XXIX Geographic Location By County And Major Industry All Industries July 1962 - June 1963 County	Per cent	Total	Agriculture & agricultural services	Mineral extraction	Contract construction	Manufacturing	Transportation, communication & utilities	Trade	Finance, insurance & real estate	Service	Government	Not given
Beaverhead	1.4	297	35	10	127	10	7	71	1	9	17	1
Big Horn	1.1	236	27	10	35	24	12	56	1	5	9	
Blaine	.7	138	34	5	20	12	5	34	1	8	19	
Broadwater	.4	92	2	1	5	41	3	27		4	9	
Carbon	.7	155	5	31	15	24	7	39	2	20	12	
Carter	.1	33	1	6			4	3	18	1		
Cascade	11.5	2,414	60	16	782	342	13	630		287	154	5
Chouteau	.7	146	27		36	6	4	48	2	6	19	
Custer	2.1	446	17	5	100	22	20	14		62	65	
Daniels	.2	47		2	6	3	4	19		2	2	
Dawson	1.5	317	2	35	65	15	47	76	1	17	21	
Deer Lodge	1.3	283	4	10	36	72	3	47	1	18	92	
Fallon	1.0	383		183	36	16	50	27		11	10	
Fergus	2.5	533	24	4	208	45	21	63	4	28	46	
Flathead	6.3	1,327	18	2	162	646	58	244	3	63	91	
Gallatin	3.8	805	35	8	159	210	24	157	1	62	147	2
Garfield	.-	13	5				2	3			3	
Glacier	1.4	293	8	42	44	38	39	73	2	25	21	1
Golden Valley		7	1		1	1		2			2	
Granite	.9	185		38	17	105	4	12		4	5	
Hill	1.7	353	11	2	57	42	15	143		29	48	
Jefferson	1.7	342	4	4	197	26	4	14		13	60	
Judith Basin	.4	80	16	1	40	6	2	9			6	
Lake	2.0	426	7	6	36	276	13	40		16	32	
Lewis and Clark	5.4	1,137	22	15	307	219	49	219	17	67	192	11
Liberty	.1	24	1	3	2	1	2	7			8	
Lincoln	2.5	520	4	53	31	351		30		13	29	
Madison	.4	61	12	6	11	10	3	11		9	10	
Mc Cone	.2	47	5	20	7	2	4	3		1	5	
Meagher	1.1	233	18	1	14	159	4	15		3	9	
Mineral	.7	150	1	13	14	100	4	8		1	9	
Missoula	10.4	2,165	16	6	200	1,105	101	372	8	137	179	1
Musselshell	.4	83	6	25	10	1	9	21		1	2	
Park	1.3	282	20	18	52	48	14	73		19	35	
Petroleum	.-	12	6		2			1			1	
Phillips	.4	91	8	2	10	7	9	40		4	11	
Pondera	.6	127	9	13	14	6	7	58		7	13	
Powder River	.1	26	4	11	1		5	1		1	3	
Powell	1.8	304	13	197	14	77	6	30	1	6	40	
Prairie	.1	26	1		6	1	4	7			7	
Ravalli	1.4	300	16	2	30	169	14	50		7	12	
Richland	1.3	265	10	22	24	61	26	74	3	10	32	1
Roosevelt	1.0	208		34	33	31	8	75		9	18	
Rosebud	.4	78	14	10	14	7	4	15	1	2	11	
Sanders	1.5	323	2	1	10	260	3	13		5	21	
Sheridan	.3	73	1	19	5	9	4	25		3	7	
Silver Bow	7.1	1,481	12	327	510	144	47	192	9	91	98	1
Stillwater	.3	72	7	1	17	10	3	17	1	6	10	

Table XXIX												
Geographic Location By County And Major Industry All Industries July 1962-June 1963												
County	Per cent	Total	Agriculture & agricultural services	Mineral extraction	Contract construction	Manufacturing	Transportation, communication & utilities	Trade	Finance, insurance, & real estate	Service	Government	Not given
Sweet Grass	.3	55	13		3	7	4	17			9	
Teton	1.0	205	16	14	81	6	14	40	2	2	28	
Toole	.8	173	8	28	7	17	19	55		11	28	
Treasure	.1	27			14	2	2	5			4	
Valley	1.2	247	16	6	83	13	18	80		3	28	
Wheatland	.5	97	4		62	2	7	16		2	4	
Wibaux	.2	39		7	15	7		4			6	
Yellowstone	12.0	2,521	29	25	371	561	231	841	23	205	172	3
Out of state	.5	116	1	10	7	28	33	27	1	7	2	
Unknown	.1	15	1		7	1		4			1	1
	100.0		650		4,438		1,156		103		1,971	
		21,005		1,354		5,424		4,470		1,422		17



Table XXX  
Sex and Marital Status  
By Age Group  
All Industries  
July 1, 1962 - June 30, 1963

Age Group	Male				Female				Total both sexes	Per cent of grand total
	Total	Single	Married	Status unknown	Total	Single	Married	Status unknown		
Under 14	22	2		1	0	0		1	2	.2
14-15	20	28		6	52	51			35	1.3
16-17	212	200		20	98	82	16		204	3.2
18-19	781	619	86						823	
20-24	2,761	1,080	1,308	63	175	60	83		2,033	14.0
25-29	2,562	363	2,117	62	103	25	76	2	2,665	12.7
30-34	2,376	225	2,097	56	130	31	105	3	2,517	12.0
35-39	2,310	207	2,060	50	170	33	135	2	2,469	11.8
40-44	2,000	134	1,767	58	219	41	175	3	2,226	10.6
45-49	1,812	164	1,576	50	234	37	134	3	2,045	9.7
50-54	1,446	202	1,207	39	234	60	170	4	1,662	8.0
55-59	972	126	615	31	181	66	111	4	1,153	5.5
60-64	552	79	443	24	86	41	41	4	638	3.0
65-69	167	31	130	6	33	22	10	1	200	1.0
70-74	50	12	36	2	13	11	2		63	.3
75 and over	34	0	24	4	3	3			37	.2
Age not reported	1,122	232	716	174	69	28	63	8	1,221	5.8
Total	19,160	3,806	14,676	678	1,645	623	1,167	35	21,005	100.0
Per cent of total	61.2	19.7	76.6	3.5	8.6	33.8	64.3	1.9	100.0	

Table XXXI

Time of Injury

All Industries

July 1, 1962 - June 30, 1963

Hour of Day	Number	Per Cent
1 A. M.	71	.3
2	95	.4
3	108	.5
4	80	.4
5	78	.4
6	142	.7
7	318	1.5
8	884	4.2
9	1,622	7.7
10	2,842	13.5
11	1,699	9.0
12	436	2.1
1 P. M.	1,028	4.9
2	2,031	9.7
3	1,884	9.0
4	1,332	6.3
5	494	2.4
6	318	1.5
7	266	1.3
8	258	1.2
9	180	.9
10	148	.7
11	102	.5
12	115	.5
Not given	4,274	20.3
Total	21,005	100.0%

DEPARTMENT OF SAFETY  
48th Year  
July 1, 1962 - June 30, 1963

Presented herewith is the fiscal report of the department of Safety of the Industrial Accident Board. The report summarizes the activities and operations and includes educational and plant surveys.

The department is authorized and directed to impose such regulations and methods as may be necessary to reasonably insure the safety of workmen. In order to reduce the number of accidents happening in the field of industrial endeavor, personnel in safety work enlist the active support and cooperation of employers and employees in the campaign.

In the task of preventing accidents the safety personnel make plant surveys where workmen are engaged in hazardous employment with a view of locating dangerous or unsafe places and unsafe work methods and practices. In all cases where the installation of safety devices of any kind will tend to minimize the likelihood of accidents, employers are requested to install them and instruct employees to use them.

Many of the so-called unavoidable accidents are found upon thorough investigation to have resulted from some avoidable cause and proper precautions can be taken to prevent the recurrence of similar accidents in the future. Accidents of this character, injurious or otherwise, result from various causes, such as carelessness, thoughtlessness, oversight or the natural tendency of people to take a chance. The safety consultant, in addition to pointing out unsafe conditions, encourages an effective system of education and warnings through safety programs and safety committees. Precautionary measures thus taken accomplish a great deal, as is indicated by the steady decline in accidents in working places.

In the majority of instances accidents are found to be due to failure to observe an existing hazard, lack of experience, or poor judgement of the workman, which means that the injured failed to give the proper amount of attention that the work demanded. On the other hand, workmen who are recognized as thoughtful, experienced or properly trained and attentive to their job, are preferred everywhere to one who lacks these characteristics, since compensation costs and the cost of damages to equipment seriously decreases profits.

While compensation prevents the workman from suffering complete monetary distress and alleviates his fear of becoming a burden on society, it does not restore a maimed body. There is an unquestionable obligation resting upon working people to eliminate the likelihood of preventable accidents, not only on his own account but out of consideration for those dependent upon him, his employer and his fellow employees.

The Safety Provisions of the Montana Compensation Law provide that the employer is obliged to provide a safe and sanitary place for his working people and that he is prohibited from constructing, maintaining or operating any place of employment that is not safe. A safe plant with good conditions creates a better and higher industrial ideal and establishes a closer relationship between the employer and employee bringing about an increase in profits and other benefits that attend such a change.

Safety services of the Department of Safety are segregated into six categories: 1. Boiler; 2. Logging and Sawmill (Wood Products); 3. Mineral (Includes Petroleum);

4. Construction; 5. Food Products (includes Agriculture); and 6. General. Included in the activities of the safety personnel in addition to plant survey or inspection are educational safety programs, foremanship safety training, first aid instruction, assisting in establishment of safety organizations and enforcement of lawful safety orders and regulations.

The fees collected for boiler inspection and licensing services are deposited with the state treasurer and credited to the industrial administration fund. Fees are not collected for other services performed by the department.

The overall accidental death rate for Montana for the year 1962, as reported by the National Safety Council, shows an increase from 80.2 per 100,000 persons to 84.9 while the national rate increased from 50.0 to 52.2 for the same year. The work death rate at the same time in Montana increased from 12.6 to 15.0 and the national rate remained unchanged at 7.4. It is necessary to note that many of the work fatalities occurred as vehicle mishaps on public roads, during the course of private employment and to agricultural employees. Significantly, a total of 49 fatalities occurring on the job was reported to the Board during the past fiscal year and a total of 53 fatal injuries was reported the previous fiscal year.

<u>Reported Injuries</u>	<u>46th Year</u>	<u>47th Year</u>	<u>48th Year</u>
Plan I (Rep'td)	2,042	2,429	2,117
Disabling Inj.	673	786	722
Plan II (Rep'td)	8,106	9,112	10,428
Disabling Inj.	2,302	2,523	2,697
Plan III (Rep'td)	9,721	8,612	8,460
Disabling Inj.	3,294	2,678	2,549
Total All Plans	<u>19,869</u>	<u>20,152</u>	<u>21,005</u>
Total Dis. Inj.	<u>6,269</u>	<u>5,987</u>	<u>5,968</u>
Disabling Injuries per 1,000 Workers	87.3	35.6	34.9

	<u>Injuries Reported</u>	<u>Fatalities</u>	<u>Number of Employers</u>	<u>Assessable Pay-Roll</u>
Plan I				
1960-1961 (46th Yr.)	2,042	10	85	-
1961-1962 (47th Yr.)	2,429	13	89	-
1962-1963 (48th Yr.)	2,117	12	82	-
Plan II				
1960-1961 (46th Yr.)	8,106	19	5,193	-
1961-1962 (47th Yr.)	9,112	19	5,800	-
1962-1963 (48th Yr.)	10,428	17	6,203	-
Plan III				
1960-1961 (46th Yr.)	9,721	20	7,288	\$158,596,074.00
1961-1962 (47th Yr.)	8,612	21	7,296	\$181,280,823.00
1962-1963 (48th Yr.)	8,460	23	7,442	\$195,000,000.00 *
* Estimated				



Employers enrolled with the state fund (Plan III) reported fewer injuries and showed a 5.0% decrease in disabling injuries. Plan I firms had an 8.8% reduction in disabling injuries while firms reporting under Plan II recorded a 6.8% increase in disabling injuries.

It is interesting to note that with the increase in total reported injuries there has been a decrease in lost time or disabling injuries and an increase in the total number of persons employed.

The statistics show a continuing downward trend in reported and disabling injuries in firms under the state fund for the fourth consecutive year in spite of a steady increase in the number of employees. Undoubtedly, this is also reflected in a decrease in non-injurious accidents. This encouraging reduction in work injuries has, in a large measure, been accomplished by an organized safety effort made possible by the enthusiastic support and cooperation of many of the employers and employees under Plan III of the Workmen's Compensation Act.

Fifty percent of the safety activities of the department are devoted to firms enrolled with the state fund. Regular safety inspections and accident investigations are carried on with Plan I and Plan II firms and, where possible, first aid and other safety services are provided. Plan II employers are encouraged to enlist the aid of their insurance carrier to provide safety services. Many Plan I and Plan II firms have adequate safety programs within their own organization, however, there is need for safety consultation and first aid training service by the insurance carrier. The code enforcement and inspection provided by the state inspectors is not sufficient to materially reduce the accidents occurring in Plan II.

The importance of providing safety and first aid training and proper instruction to new employees is not yet fully realized. It has been proven that activities of this nature are well worth the effort though they may require a small amount of time from an employers' production and/or some of the employees' "free" time. A greater reduction in costly accidents both on and off the job is bound to follow this course of action. More and more employers realize that proper and continued training of supervisors and workmen in their safety responsibilities results in safer work practices and better production through increased productive manhours.

The work of accident prevention does not end with "on the job" safety since by far the greatest number of injurious accidents occurring to working people occur off the job while driving, at home or at play. The safety consultant encourages employers' "off the job" safety programs and assists, when possible, in conducting demonstrations, first aid training, etc. Safety programs which include such diverse topics as the hazards of power lawn mowers, use of seat belts, fire prevention and safe boating often create interest and reach a greater number of people. Employers promoting non-occupational safety activities have realized that the vulnerable ones are not only the workmen but their families as well and that the family plays an ever increasing part in the importance of safety.

The Department of Safety sponsored a Supervisors Training Course conducted by the U. S. Department of Labor in Great Falls and Billings. Representatives of this department attended along with safety people from private, state and federal agencies from throughout the state. It is hoped that training courses of this nature can be taught in a different location each year in order to bring this important phase of safety to more groups.

Instructional clinics were held during the past fiscal year with various industrial employers and employees. The clinics conducted by representatives from the Underwriting and Safety departments included such topics as premium rates, assessments, claims, compensation legislation, first aid, safety programs, etc.

During the year the department held numerous meetings with individual workmen, employers and labor groups to discuss various matters arising from the administration of the Act including safety and infractions of the provisions of the Act and safety regulations. Pre-construction conferences with contractors doing construction work on highways were attended. The safety director for the Highway Department and a member of the Department of Safety of the Industrial Accident Board attended forty-two of these conferences. The results of these meetings have not been completely assessed but they do appear to be very encouraging.

Departmental procedures did not significantly change during the past fiscal year. The methods of field surveys, investigations, and safety training services have proved satisfactory and will continue to be expanded as personnel becomes more proficient in their respective categories. Therefore, a narrative report for procedure and activity will not be necessary for this report. The Statistical Summary found on the following pages has been expanded to better show the results of the program that has been in effect the past few years.

A breakdown of travel expense, number of miles traveled and cost per mile and a breakdown of administrative expense and cost per plan is shown below.

#### Travel and Expenses

Miles traveled	265,100
Vehicle expense	\$6,981.62
Cost per mile	.038
The cost per mile does not include depreciation or insurance.	

#### Administrative Expense

Salaries (includes P.E.R.S., and Soc. Sec.)	\$72,337.23
Travel (includes vehicle and per diem)	10,983.59
Telephone	1,717.69
Office supplies, printing, etc.	1,000.00
Vehicles (does not include boiler inspection)	5,908.78
New vehicles (with trade)	3,990.34
Safety equipment and misc. purchases	500.00
Total	<u>\$96,437.63</u>

#### Cost by Plan:

Plan I	\$ 3,857.52
Plan II	\$18,323.14
Plan III	\$74,256.97



DEPARTMENT OF SAFETY  
STATISTICAL SUMMARY OF THE PAST THREE FISCAL YEARS

Safety Activities By Plan

	<u>46th Year</u>	<u>47th Year</u>	<u>48th Year</u>
Plan III	1,778	2,282	3,217
Plan II	897	835	749
Plan I	152	253	183
No Plan (None)	294*	212	238
No Division	.	92	296

\*Includes firms with coverage unknown and activities with no division.

Activity By Industry

Plan III

General**	31%	22%	30%
Construction	23%	45%	38%
Wood Products	27%	20%	17%
Mineral***	13%	9%	10%
Other	6%	4%	5%
	<u>100%</u>	<u>100%</u>	<u>100%</u>

Plan II

General**	65%	44%	46%
Construction	5%	21%	12%
Wood Products	12%	12%	18%
Mineral***	15%	20%	19%
Other	3%	3%	5%
	<u>100%</u>	<u>100%</u>	<u>100%</u>

Plan I

General**	28%	7%	6%
Construction	2%	1%	3%
Wood Products	26%	29%	26%
Mineral***	37%	58%	57%
Other	7%	5%	8%
	<u>100%</u>	<u>100%</u>	<u>100%</u>

No Plan (None)	6% of total	5% of total
No Division	3% of total	6% of total

\*\* Includes trade, services, government, utilities & miscellaneous.

\*\*\* Includes metal & coal mining, petroleum extraction, quarrying, milling & ... smelting.

Investigation of Fatal Accidents

Logging & Woodworking	7	6	19
Mineral Ext. & Prod.	11	18	14
Construction	8	13	15
Agriculture & Food Prod.	7	3	8
Miscellaneous	11	4	6
	<u>44*</u>	<u>44*</u>	<u>62*</u>

\*Includes deaths attributed to natural causes and those investigated but not coming under the Workmen's Compensation Law. Does not include total injured.

STATISTICAL SUMMARY - Cont.

Investigation of Non-Fatal Accidents

	<u>46th Year</u>	<u>47th Year</u>	<u>48th Year</u>
Logging & Woodworking	17	31	28
Mineral Ext. & Prod.	18	13	13
Construction	17	24	26
Ag. & Food Products	2	8	4
Miscellaneous	30	14	8
	<u>84</u>	<u>90</u>	<u>79</u>

Special Services

Safety Meetings	157	185	222
Attendance	4,189	3,811	4,128
First Aid Programs	177	139	93
Attendance	1,475	1,247	1,992
First Aid Cards	323	236	188

Operators Licenses Issued

	<u>46th Year</u>	<u>47th Year</u>	<u>48th Year</u>
Originals (Inspectors)			
1st Class	46	34	48
2nd Class	44	18	42
3rd Class	308	201	226
Low Pressure	204	164	152
1st Class A & E	8	21	16
2nd Class A & E	26	14	10
Traction	3	7	5
	<u>639</u>	<u>459</u>	<u>499</u>
Re-issue (Office)	125	97	103
Renewals (Inspectors)	341	279	171
Renewals (Office)	1,973	2,136	2,184

Certificates Issued

	<u>Inspectors</u>		<u>Office</u>		<u>Boilers</u>	
	<u>No.</u>	<u>Amount</u>	<u>No.</u>	<u>Amount</u>	<u>No.</u>	<u>Amount</u>
46th Year	980	\$ 4,664.00	2,098	\$ 4,801.00	2,096	\$14,080.00
47th Year	738	3,606.00	2,233	4,884.00	1,910	12,550.00
48th Year	670	3,816.00	2,287	5,046.00	1,740	11,657.50
	<u>5,174</u>	<u>\$23,545.00</u>	<u>4,881</u>	<u>\$21,040.00</u>	<u>4,697</u>	<u>\$20,519.50</u>

Department of Safety Personnel:

<u>Category</u>	<u>Name</u>	<u>Service</u>
Logging & Wood Products	Clayton Lauman	4 Yrs. 7 Mo.
	George D. Hetherington	4 Yrs. 2 Mo.
Construction	Maurice Strickland	10 Yrs. 2 Mo.
	Bernard J. Briggeman	2 Yrs.
Mineral Extraction	Thomas Morgan	3 Yrs. 8 Mo.
	Nathan May	5 Yrs.
General Safety	James R. Uncles	3 Yrs. 9 Mo.
	John R. Miehle	4 Yrs. 10 Mo.
Boiler	O. W. Branson	4 Yrs.
	Eldon Whinnery	5 Yrs. 5 Mo. (Retired)
Office	V. G. Warren	4 Yrs. 1 Mo.
	Allen L. Kirkeby	3 Yrs. 1 Mo.
Supervisor	George E. Wenstrom	8 Yrs. 5 Mo.

## STATE COAL MINE INSPECTOR'S ANNUAL REPORT

Coal production in the State of Montana for the fiscal year July 1, 1962 to June 30, 1963, with 35 mines reporting was 364,358 tons as compared with 403,643 tons for the previous year.

The Roundup Mining Company's mine, one mile west of Roundup, closed in June 1962 which accounts for the decrease in production.

There were no fatalities in the Montana coal mines and 9 reportable injuries.

No examination for mine formen's certificates was held during this year.

Production statistics and a list of the coal mines in Montana will be found on the following pages.

S/ Thomas Morgan  
State Coal Mine Inspector

PRODUCTION REPORT

Table XXXII

July, 1962 - June, 1963

MONTANA COAL MINES

Mines By County	Ave. No. Employees	Total Days Worked	Tonnage Mined	Accidents	
				Fatal	Non-Fatal
<u>BLAINE</u>					
Milk River Mine	6	125	2,870	0	0
<u>BIG HORN</u>					
Tongue River Coal Co.	2	95	1,000	0	0
<u>CARBON</u>					
Smith Coal Docks	8	200	8,388	0	2
Roadside Mine	2	100	428	0	0
Brophy Coal Co.	9	135	5,060	0	3
<u>CASCADE</u>					
Canyon	2	40	216	0	0
Loveland Mine	1	65	400	0	0
East Belt Mine	2	120	1,293	0	0
<u>CUSTER</u>					
Storm King Mine	2	112	2,609	0	0
Moon Creek Mine	1	35	900	0	0
<u>DAWSON</u>					
Peuse Mine	1	120	1,026	0	0
Albrecht Mine	2	90	750	0	0
<u>FERGUS</u>					
Swanson Mine	1	110	86	0	0
Tuss Mine	2	100	750	0	0
<u>HILL</u>					
Rocky Boy Mine	3	68	650	0	0
<u>MC CONE</u>					
No. 1 Mine	2	50	468	0	0
<u>MUSSELSHELL</u>					
Divide Mine	3	140	8,313	0	1
Gildroy Mine	3	98	3,859	0	0
Forstrom Mine	5	106	3,700	0	0
Johnny's Mine	3	114	1,436	0	0
Nies Mine	5	180	5,141	0	0
Square Deal Mine	7	122	7,906	0	0
P & M Mine	2	120	1,568	0	0
Western Coal Co.	3	130	2,800	0	0
<u>POWDER RIVER</u>					
Coal Creek Mine	2	141	1,200	0	0
Wilson Mine	2	6	10	0	0
Two Tree Mine	3	5	60	0	0

# PRODUCTION REPORT

Table XXXII

July, 1962 - June, 1963

## MONTANA COAL MINES

Mines By County	Ave. No. Employees	Total Days Worked	Tonnage Mined	Accidents	
				Fatal	Non-Fatal
<u>ROSEBUD</u>					
Lame Deer Mining Co.	3	120	1,200	0	0
Foley Bros.	3	30	730	0	0
<u>RICHLAND</u>					
Bemer Mine	4	87	1,000	0	0
Coal Bank Canyon	2	80	900	0	0
Knife River Co.	15	247	292,476	0	3
Thiell Bros. Mine	3	108	1,463	0	0
<u>SHERIDAN</u>					
Acme Coal Mine	5	155	2,216	0	0
Lagerquist Mine	2	110	796	0	0

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MONTANA COAL MINES  
(Name and Location)

<u>Company</u>	<u>Address</u>	<u>County</u>
Spring Creek Mine	Henry Yallowizer Decker, Montana	Big Horn
Milk River Coal Co.	Lauren Sargent Box 661 Havre, Montana	Blaine
Smith Coal Docks	Samuel Carpenter Red Lodge, Montana	Carbon
Roadside Coal Co.	Frank Janskovich Bearcreek, Montana	Carbon
Brophy Coal Co.	James Brophy Red Lodge, Montana	Carbon
Canyon Coal Co.	Albert Korin Sand Coulee, Montana	Cascade
Latham Coal Mine	Dennis Yatsko Stockett, Montana	Cascade
Loveland Coal Mine	Mrs. Earl Loveland Great Falls, Montana	Cascade
East Belt Mine	Sam Williamson Belt, Montana	Cascade
Storm King Mine	T. J. Fleming Miles City, Montana	Custer
Moon Creek Mine	Henry Freeze Miles City, Montana	Custer
Peuse Coal Mine	Gordon Peuse Lindsay, Montana	Dawson
Albrecht Mine	Jacob Albrecht Bloomfield, Montana	Dawson
Swanson Mine	William Swanson Lewistown, Montana	Fergus
Tuss Mine	C. M. Tuss Lewistown, Montana	Fergus
Magnuson Mine	Albert Neumiller Vida, Montana	McCone
Rocky Boy Mine	Gordon Michaelson Chinook, Montana	Blaine

MONTANA COAL MINES  
(Name and Location)

<u>Company</u>	<u>Address</u>	<u>County</u>
No. 1 Mine	R. D. Stevenson Vida, Montana	McCone
Antelope Mine	Joseph Birrer Billings, Montana	Yellowstone
Divide Coal Co.	Victor Carlson Roundup, Montana	Musselshell
Gildroy Coal Mine	R. J. Gildroy Box 734 Billings, Montana	Yellowstone
Forstrom Coal Co.	Victor Forstrom Roundup, Montana	Musselshell
Johnny's Coal Mine	John Keosky Roundup, Montana	Musselshell
Nies Coal Mine	William Nies Roundup, Montana	Musselshell
Square Deal Co.	Virgil Cross Roundup, Montana	Musselshell
Western Coal Co.	Glen H. Johnson Roundup, Montana	Musselshell
P. M. Coal Mine	Paul Meged Box 495 Billings, Montana	Yellowstone
Coal Creek Mine	John Schoonover Volborg, Montana	Powder River
Wilson Mine	J. L. Wilson Broadus, Montana	Powder River
Two Tree Mine	Antone Gali Epsie, Montana	Powder River
Lame Deer Mining Co.	Lester Scott Lame Deer, Montana	Rosebud
Foley Bros., Inc.	O. E. Rye Coalstrip, Montana	Rosebud
Bemer Coal Mine	Joe Bemer Culbertson, Montana	Richland

MONTANA COAL MINES  
(Name and Location)

<u>Company</u>	<u>Address</u>	<u>County</u>
Coal Bank Canyon	Cyrus Lowery Box 882 Sidney, Montana	Richland
Knife River Coal Co.	Knife River Coal Co. Savage, Montana	Richland
Thiell Bros. Coal Co.	Thiell Bros. Coal Co. Box 586 Sidney, Montana	Richland
Acme Mine	M. F. Brenteson Coalridge, Montana	Sheridan
Lagerquist Coal Mine	E. C. Lagerquist R. F. D. 1 Westby, Montana	Sheridan

METAL MINE INSPECTOR'S REPORT  
July 1, 1962 - June 30, 1963

This brief summary is to report the activities of mineral mining, other than oil and coal production, and to promote the development of mineral resources in Montana.

During the past fiscal year Montana enjoyed the 3rd largest production value on record, exceeded only by the years 1956 and 1957. The advance was due, primarily, to the increase in production of sand and gravel for new highways and dams. This more than offset the reduced production of copper ore due to labor difficulties in Butte at the Berkeley Pit and closing of the Chromite mine at Nye. Other producers ceasing operations were the Minerals Engineering Wise River pit and the Stanford iron mine.

Aluminum

The aluminum plant at Columbia Falls ran at capacity during the entire year. Plans are complete for doubling the output and construction will soon be underway.

Chromite

No chromite produced this past year since the closing of the mine at Nye.

Copper

Deep mine production in Butte was up somewhat over the preceding period but copper production was down about 10% due to the strike at the Berkeley Pit and termination of some parts of the Kelly Mine.

Gold

Gold production was down about 31% below the preceding year. Some of the decline was due to ceasing of operations of the Mayflower Lease at Whitehall and at the Berkeley Pit where gold is produced as a by-product.

Iron

The closing of the Young Montana Corporation's open pit mine at Stanford sharply curtailed iron ore mining. The remaining shipments come from Ralls and Harris Brothers at Radersburg.

Lead

Increasing production of the Badger Lead Zinc mine was responsible for an increase of 3,000 tons of lead over the previous year.

Manganese

Manganese shipments came from the Taylor-Knapp Company at Philipsburg and from stockpiles of the Anaconda Company in Butte.

Silver

Silver production was the highest since 1957, showing a 53% increase over the previous year. An increase in price was the main factor accounting for the shipment of a large amount of ore from government stockpiles. Another part of this was due to the silver ore obtained as a result of increased lead and zinc ores.

Thorium

Although Montana has a very large deposit of this metal in Beaverhead county, there was no production last year.

Tungsten

The subsidy was removed on tungsten last year and the only producer in the state ceased operation.

Uranium

The output of uranium was far below the previous year and all of the production came from the Swamp Frog mine.

Zinc

The increase in operations of the Badger Mine during the past year was responsible for an increase of 27,416 tons more than the preceding year.

Non-Metallic Mines

Asbestos

The asbestos mine on the Gallatin River has temporarily ceased operation.

Barite

A new deposit is being explored near Eureka in Lincoln county. Production was up considerably at Greenough by the National Lead Company.

Cement

Cement production at Trident was increased last year by the Ideal Cement Company. With the full scale operation of the new Permanente Plant at Montana City, another increase in Montana's cement production is expected for the coming year.

Clay

Only a small amount of clay is produced in Montana and production during the past year was only about 50% of the normal output.

Fluorspar

Output of this mineral in Ravalli county was sizeably increased by the Roberts Company at Darby, the only producer of this mineral in Montana.

Gypsum

The amount of gypsum produced was about 6% less than the amount of gypsum produced in the preceding year.

Lime

Production of lime during the past year was down 12% but the value of the lime that was produced showed an increase of 6%. The primary producer is the Elliston Lime Company in Powell county.

Phosphate

A decrease of 11% was shown in the production of phosphate by the Maiden Rock mine of the Victor Chemical Company. The Montana Phosphate Products Company is currently building a new plant at Douglas Creek near Hall in Granite county and a considerable increase in the production of phosphate is expected during the next year.

Sand & Gravel

The value and output of sand and gravel was higher throughout Montana during the past year due to highway construction and dam construction.

Stone (Building)

The principal increase in the production of stone used in building construction was attributed to an increase in production from the Travertine quarry at Gardiner.

Talc

The addition of production facilities by the Sierra Talc Company and the Tri State Mineral Company, the major talc producers in Montana contributed to above a 17% increase in talc production during the past year.

Vermiculite

The production of vermiculite increased about 8% last year. The vermiculite pit at Libby, the largest producers of vermiculite in the nation, has been acquired by the W. R. Grace Company and they have announced a new process has been developed to separate the short fibers from the raw material.

S/      Nathan May  
         Mine Inspector



Table XXXIII  
MONTANA METAL MINES IN PRODUCTION  
July 1, 1962 - June 30, 1963  
(Includes Smelters)

Operated By	Plant and County	Product	Total Man Hours Worked	Average No Employees	Lost Time Injuries	Total Injuries
Ida B. Hand Mining Co. Spokane National Mines Stauffer Chemical Co. Malden Rock Montana Shaffer Brothers Mine Alumont Incorporated Dillon Montana Techmarix Corporation Tri State Minerals Barratts Station Mill Mc Canse & Wellborn	<u>Beaverhead County</u> Malden Mine Canyon Creek Mine E. La Marche Mine V. Gulch Mine Henry Mine Thorium Pit Talc Pit Mill Open Pit	Lead Lead, Silver Phosphate " Gold, Silver " " Thorium Talc " Gold, Silver	984 20,000 69,586 8,565 8,320 3,800 8,000 900 48,508 0 2,560	1 10 42 6 4 4 5 3 35 0 4	0 0 0 0 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 23 0 0 0
Ralls Harris Brothers	<u>Broadwater County</u> Open Pit	Iron	2,208	4	0	0
St. Clair & St. Clair Co. Pryor Mountain Mining Co. Big Horn Limestone Co.	<u>Carbon County</u> Open Pit Mine Quarry	Uranium " Limestone	1,200 768 39,558	5 4 15	0 0 0	1 0 7
The Anaconda Co. The Treasurelite Co.	<u>Cascade County</u> Smelter Quarry	Zinc Expanded Shale	2,961,168 10,000	1,019 8	24 0	13 0
The Anaconda Co. " "	<u>Deer Lodge County</u> Smelter Limestone Pit Silica	Copper Limestone Silica	4,319,296 6,000 670	1,799 10 1	47 1 0	280 2 0
Ideal Cement Co. Mine U. S. Gypsum Co. "	<u>Fergus County</u> Gypsum Mine " " Hardboard Plant	Gypsum " " Hardboard	16,647 Refused to submit report Refused to submit report	8	0	4

Metal Mines Prod. - Cont.

Operated By	Plant and County	Product	Total Man Hours Worked	Average No Employees	Lost Time Injuries	Total Injuries
Anaconda Aluminum Co.	<u>Flathead County</u> Aluminum Smelter	Aluminum	1,092,560	545	2	63
Ideal Cement Co.	<u>Gallatin County</u> Limestone Plant	Cement	249,034	135	0	22
Sierra Talc Co.	Mill	Talc	25,009	12	0	0
Taylor-Knapp Co.	<u>Granite County</u> Manganese Mine	Manganese	78,224	35	7	11
Black Pine Mine	Dumps	Gold, Silver	2,000	1	0	0
Montana Phosphate Products Co.	Mines, Mill	Phosphate	13,360	27	0	6
United Isaho Mineral Co.	<u>Jefferson County</u> Tunneling	Silver, Lead	2,250	6	0	0
The Zonolite Co.	<u>Lincoln County</u> Open Pit & Mill	Vermiculite	313,400	145	15	49
The Anaconda Co.	<u>Lewis &amp; Clark County</u> Helena Smelter	Lead	157,364	55	1	8
A. C. & R.	" "	"	358,746	174	0	0
Permanente Cement	Pit & Plant	Cement	64,404	65	1	1
Helena Minerals	Mine	Lead, Silver	0	2	0	0
Sierra Talc Co.	<u>Madison County</u> Open Pit	Talc	33,492	18	3	3
John Layton Mining	Mine	Gold, Silver	340	2	0	0
Bunker Hill Co.	<u>Mineral County</u> Mine	Gold, Silver	31,835	18	3	11
Copper Duke Mining Co.	<u>Meagher County</u> Mine	Copper	1,000	2	0	0

Metal Mines Prod. - Cont.

Operated By	Plant and County	Product	Total Man Hours Worked	Average No. Employees	Lost Time Injuries	Total Injuries
Barold Div. Mat. Lead	<u>Missoula County</u> Mine	Barite	6,171	6	1	1
"	Mill	"	4,150	2	0	0
Lyons Construction Co.	Quarry	Crushed Rock	13,715	15	0	0
Elliston Lime Co.	<u>Powell County</u> Mine & Plant	Lime	25,517	12	1	2
Montana Phosphate Products Co.	Mine	Phosphate	254,368	230	1	76
"	Lake Mine	"	56,640	52	0	22
Rocky Mountain Phosphate	Plant	"	56,934	34	Not	Reported
Como Mining Co.	<u>Park County</u> Mill	Gold, Silver	12,800	16	1	2
Livingston Marble & Granite	Rock Quarry	Stones	25,000	12	0	4
Roberts Mining Co.	<u>Ravalli County</u> Open Pit	Flourspar	1,995	3	0	0
"	Mill	"	10	6	0	0
Larrigan Mining Co.	Mine	Gold	6,000	2	0	0
The Anaconda Co.	<u>Silver Bow County</u> Badger Mine	Zinc	567,512	230	10	62
"	Berkeley Pit	Copper	862,376	330	4	65
"	Kelly Mine	"	416,480	170	4	67
"	Leonard Mine	"	236,920	95	12	76
"	Mountain Con Mine	"	1,477,760	600	37	432
"	Stewart Mine	"	1,014,056	410	40	332
Stauffer Chemical Co.	Plant	Phosphate	307,848	164	1	33







JAN 16 1954

MONTANA LEGISLATIVE  
COUNCIL